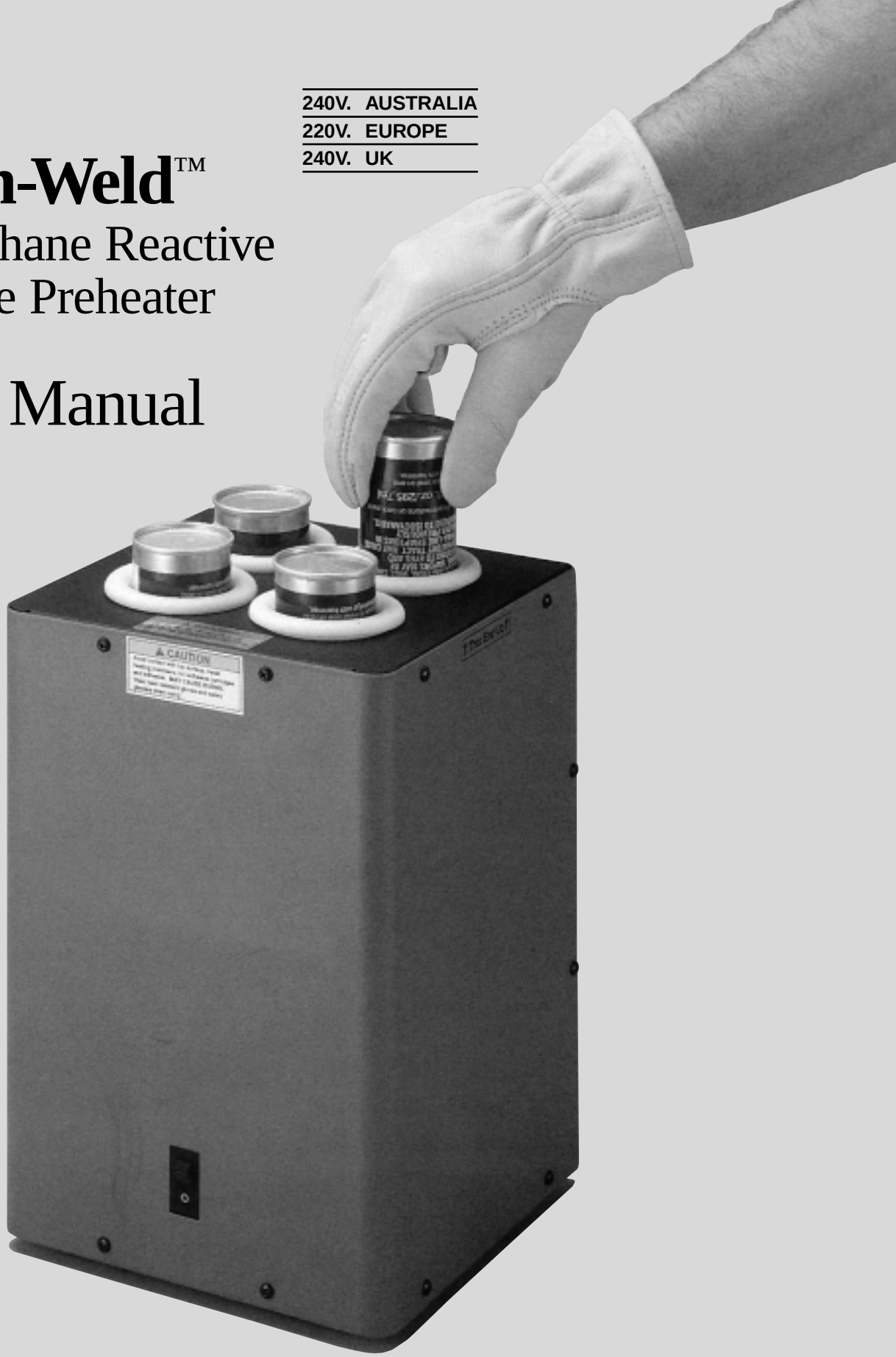
3M

Scotch-Weld™

Polyurethane Reactive Adhesive Preheater

240V. AUSTRALIA
220V. EUROPE
240V. UK

User's Manual



Use only with 3M™ Scotch-Weld™ Polyurethane Reactive Adhesives

Please read all instructions before using.

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The 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater has been designed to warm 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges prior to use in the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Applicator. The cartridges should be heated a minimum of 45 minutes prior to use in the applicator. This is particularly important in high volume usage areas where it is not convenient to allow the cartridge to warm 45 minutes in the applicator before use. Simply remove preheated cartridges and load into the applicator as described in the *3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Applicator User's Manual,* and begin use.

This user's manual includes information on important safety instructions, grounding instructions, operating instructions, troubleshooting, and service procedures. Read the user's manual and become familiar with its contents before using the preheater.

Important Safety Instructions

SAVE THESE INSTRUCTIONS

Read all instructions before using this product.

3M™ Scotch-Weld™ Polyurethane Reactive Adhesive

For health and safety information, see product label and Material Safety Data Sheet for 3M Scotch-Weld Polyurethane Reactive Adhesive before using.

⚠WARNING

Use only with 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges. Use with any other materials **may cause hazardous conditions.**

⚠WARNING

3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges should be preheated or used in 3M Scotch-Weld Polyurethane Reactive Adhesive Preheater or 3M Scotch-Weld Polyurethane Reactive Adhesive Applicator only. Do not preheat 3M Scotch-Weld Polyurethane Reactive Adhesive Cartridges in ovens or other heating devices or use in other applicators. **May cause hazardous conditions.**

⚠WARNING

Do not heat or expose 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive to temperatures or surfaces above 275°F (135°C). **Vapors of heated material may be irritating to eyes and respiratory tract and may cause asthma-like symptoms in persons previously sensitized to isocyanates.**

⚠WARNING

Do not clean or remove 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive with heat, flame, or solvent. **May cause hazardous vapor or fire.** For additional health and safety information, see product label and Material Safety Data Sheet for Scotch-Weld Adhesive used.

3M Scotch-Weld Polyurethane Reactive Adhesive Preheater Operation

⚠WARNING

To reduce the risk of electrical shock or injury while operating or servicing the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater, observe the following safety rules:

1. Operate and service the applicator only as described in this manual.
2. Connect the applicator only to a properly grounded outlet.
3. Do not unplug the applicator by pulling on the cord. Grasp the plug, not the cord, to unplug.
4. Do not handle the plug or applicator with wet hands.
5. Do not use the applicator outdoors or on wet surfaces.
6. Do not use the applicator with damaged cord or plug.
7. Do not use the applicator if it is not working properly or has been dropped, damaged, submerged in water, or left outdoors.

⚠WARNING

Use only 3-prong grounded plug and properly grounded outlet. Failure to use properly grounded plug and outlet **may cause electrical shock.** If you are not sure of proper connections, get help from a qualified electrician or service person.

⚠WARNING

Do not use an unapproved extension cord with the applicator. Use of an improper extension cord **may cause electrical shock.** Use an extension cord which complies with NEC requirements and state and local codes and other requirements.

⚠Caution

Avoid contact with top surface and metal heating chambers of preheater during use and hot adhesive cartridges and adhesive. **May cause burns.** Wear heat resistant gloves and safety glasses when using.

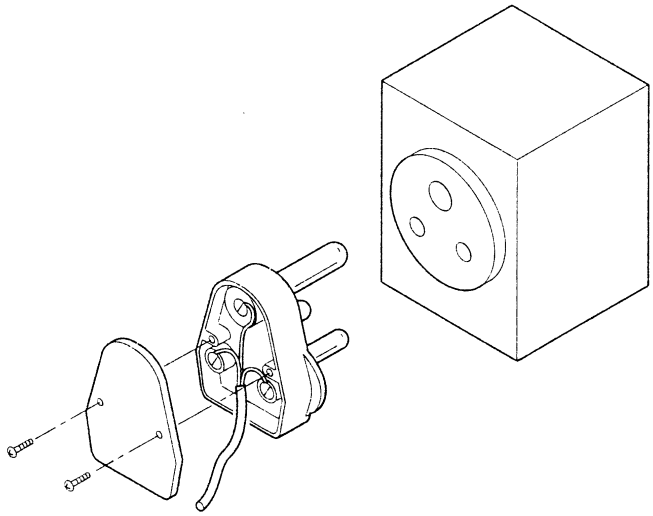
Grounding Instructions

⚠WARNING

Do not use preheater with an adapter or ungrounded outlet. Improper grounding connection of the preheater **may cause electric shock.** If the plug will not fit the outlet, have a qualified electrician or service person install the proper plug.

The 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater must be earth grounded. If the preheater should malfunction or breakdown, earth grounding provides a path of least resistance for electric current to help reduce the risk of electric shock. This preheater is equipped with a cord having an equipment-grounding conductor. A plug must be used with an appropriate outlet that is properly installed and earth grounded in accordance with all national and local code requirements.

This applicator is equipped with a cord having an equipment-grounding conductor. The 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Applicator is intened for use on a nominal 220-240 volt circuit with an earth grounding plug. Make sure the applicator is connected to an earth grounded plug and outlet which is wired in accordance to all local and national electrical codes. The illustration below shows a typical plug and outlet (not supplied) which should be used with the applicator.



The following color code is used to insure the correct connections of electrical wires.

Blue wire - Positive terminal (hot).
Blue wire - Neutral terminal.
Green w/Yellow tracer wire - Earth ground terminal.

Do not use applicator with an ungrounded plug or outlet. This will defeat the earth grounding circuit of the applicator.

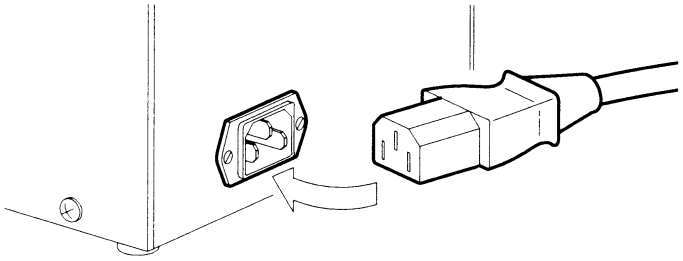
Instructions for Use

1. Remove the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater from its shipping container and inspect for obvious damage. If damaged, do not use and immediately contact your local 3M representative.

⚠WARNING

Do not use an unapproved extension cord with the preheater. Use of an improper extension cord **may cause electrical shock.** Use an extension cord which complies with NEC requirements and state and local codes and other requirements.

2. Insert the power cord into the receptacle on the back, lower side of the preheater. Make sure the ground pin on the preheater is aligned with the ground receptacle on the cord.

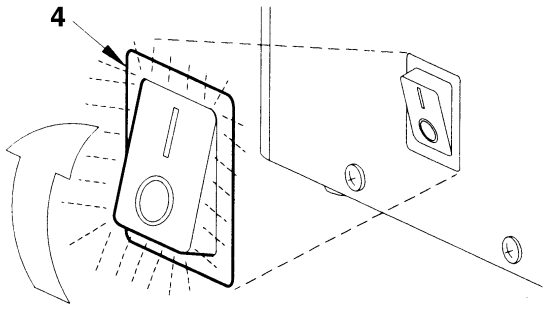


⚠Caution

Avoid contact with top surface and metal heating chambers of preheater during use and hot adhesive cartridges and adhesive. **May cause burns.** Wear heat resistant gloves and safety glasses when using.

3. Plug the preheater into a grounded 220-240 VAC receptacle.

4. Push on-off switch upward to “on” position. (Green indicator light will illuminate.)



⚠WARNING

Use only 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges. Use with any other material **may cause hazardous conditions.**

Instructions for Use (continued)

⚠WARNING

Do not use an unapproved extension cord with the preheater. Use of an improper extension cord **may cause electrical shock.** Use an extension cord which complies with NEC requirements and state and local codes and other requirements.

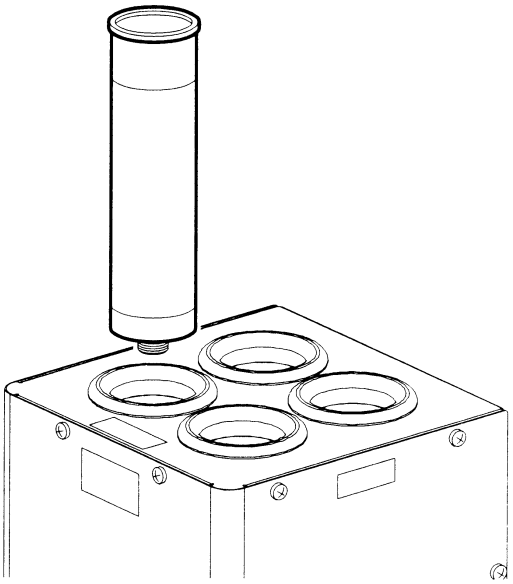
⚠Caution

Avoid contact with top surface and metal heating chambers of preheater during use and hot adhesive cartridges and adhesive. **May cause burns.** Wear heat resistant gloves and safety glasses when using.

⚠WARNING

Use only 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges. Use with any other material **may cause hazardous conditions.**

5. Insert 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Cartridges threaded end first, into preheater heat chambers.



Note

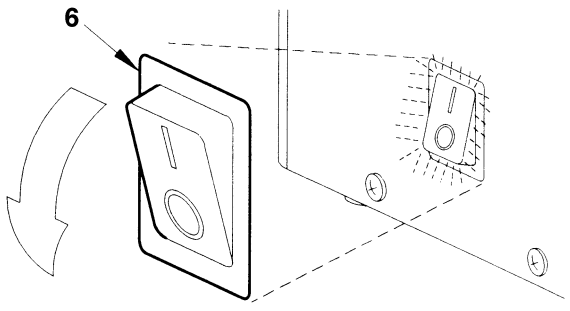
Always heat cartridges for 45 minutes prior to use. Adhesive warmed less than 45 minutes in the preheater may not extrude properly from the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Applicator and may not exhibit optimum bonding properties.

Important

Adhesive will resist flowing through applicator if total heat history of adhesive cartridge at application temperature exceeds 16 hours (total time in preheater and in applicator). Discard any adhesive cartridge that has been heated longer than 16 hours and replace with a new, heated cartridge.

See the *3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Applicator's User's Manual* for adhesive loading and operating instructions.

6. When finished using the preheater, push the on-off switch to the "off" position.



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Troubleshooting

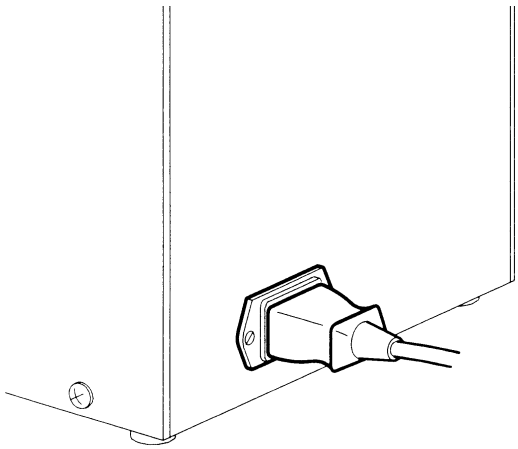
⚠WARNING

Disconnect electrical power and make sure preheater has cooled to room temperature before servicing. Failure to disconnect electrical power or failure to allow preheater to cool before servicing **may cause electrical shock or burns.** Read user's manual before servicing.

Important
Service on this preheater should only be performed by a qualified electrician or service person.

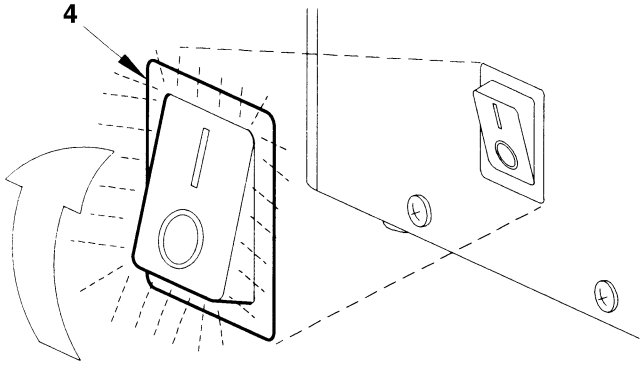
1. Unplug unit from electrical service.

2. Check to make certain the power cord is properly connected in the rear of the preheater.



3. Check outlet. If no power contact qualified electrician or service person. If outlet has power, plug the preheater into electrical service and proceed to next step.

4. Push on/off switch to "on" position. Visible green indicator light will appear. If no heat, unplug unit from electrical service and contact your local 3M representative.



Warranty and Repair

During Warranty Period

Contact your nearest 3M sales representative or authorized 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive distributor.

After Warranty Period

The 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater has been engineered to be durable and reliable.

Should your Scotch-Weld Polyurethane Reactive Adhesive Preheater require repair, you can contact your local 3M representative about a refurbish program.

Important Notice

User is responsible for determining whether the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater is fit for a particular purpose and suitable for user's method of application.

Warranty

3M warrants for 12 months from the date of purchase or use, whichever occurs first, that the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater will be free from defects in material and manufacture. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. This warranty does not cover routine maintenance, normal wear and tear, or damage resulting from accident, misuse, alteration, corrosion, lack of reasonable care, service performed by an unauthorized repair service, use of unauthorized replacement parts or accessories, or installation, use, operation, or maintenance not in accordance with 3M recommended procedures, or use of adhesive cartridges not manufactured by 3M or not subject to 3M quality standards.

Limitation of Remedies

If the 3M™ Scotch-Weld™ Polyurethane Reactive Adhesive Preheater is proven to be defective within the warranty period stated above, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF OR TO REPAIR OR REPLACE THE DEFECTIVE 3M PREHEATER, provided that the defective applicator is, at 3M's choice, returned immediately to 3M or an authorized service representative designated by 3M, or made available at user's premises in a location suitable for servicing.

Limitation of Liability

3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the legal or equitable theory asserted, including contract, negligence, warranty, or strict liability.

3M

Industrial Business
Industrial Adhesives and Tapes Division

3M Center, Building 220-5E-06
St. Paul, MN 55144-1000

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